

Banking Products Testing

A 360° Quality Assurance Approach



ABOUT US



Corporate Overview

Tech Mahindra offers innovative and customer-centric digital experiences, enabling enterprises, associates and the society to Rise.

We are a USD 5.1 billion organization with 141,100+ professionals across 90 countries helping 1123 global customers, including Fortune 500 companies. We are focused on leveraging next-generation technologies including 5G, blockchain, cybersecurity, artificial Intelligence (AI) and more to enable end-to-end digital transformation for global customers.

BFSI Overview

The BFSI vertical at Tech Mahindra has 10,500+ associates, and is supported by technology horizontal, each with their dedicated Center of Excellence, supporting 400+ clients in Americas, UK, Europe, Asia, Africa and Australia.

With over two decades of experience in offering innovative solutions for retail banking, lending and leasing, cards and payments, asset and wealth management, investmentbanks, stock exchange and life / general insurances.

Banking Products Group

The banking products group is a niche group in BFSI with multiple banking product partnerships.

With our deep product & domain expertise, we enable banks to transform their operations, bringing innovation, driving profitability, optimizing resources, and building future ready banking.

We provide end-to-end SI and transformation services to global financial institutions across asset size and scale.



10,500+

Banking Associates

500+

Core Banking SMEs

Multiple

Product Partnerships

250+

Customers Served

100+

Implementations
Worldwide



Development Centers
across geographies

OUR TESTING EXPERTISE

Our rich portfolio of service offerings provides assurance from chip-to-cloud and spans the testing lifecycle encompassing test design, test automation using AI, continuous testing driving in-sprint automation, intelligent reporting, prediction analytics using machine learning and NLP, test data management, test environment management, Dev-Sec-Ops, test support using BOTs and performance assurance.



22,000+
Future-ready Quality
Engineering
Associates

20+
Years of
experience

50+
Implementations
/ End-to-End
Testing
Engagements

10+
Labs and CoE
setups with
Partners

100+
Repository of
pre-built assets

Output &
Outcomes Based
Commercial
Models

Our Dedicated Banking Products Testing Team:

Through a unique collaborative eco-system of product, domain, testing and technology skills we provide the highest coverage testing solutions focused on business process and automation to meet banking product implementation requirements.

- **20+** years of banking products testing experience
- **150+** products testing professionals
- Repository of **3000+** model bank test cases
- Test automation tool for banking products
- Expertise across products and domains



Domain Expertise

- Digital, Retail, Private, Corporate, and Islamic Banking
- Wealth Management
- Micro Finance Banking
- Payments
- Financial Crime Mitigation

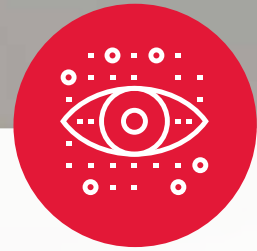
Our Services

- End-to-End Testing
- Functional Testing
- Non-Functional Testing
- Digital Quality Assurance
- UAT Support



OUR FOCUSED TESTING OFFERINGS

Product testing practice provides **CUSTOMIZED** testing solutions for different phases of the product lifecycle.



Product Focused Services

Product Implementation & Rollout

- Parametization Testing
- System Testing
- Integration Testing/SIT
- Interface Testing
- Automated Regression Testing
- Localized Testing
- Report Comparison Testing
- User Acceptance Testing

Product Upgrade

- Parametization Testing
- System Testing
- Like to Like Testing
- Interface Testing
- Parallel Testing
- Integration Testing/SIT
- Automated Regression Testing
- Report Comparison Testing
- User Acceptance Testing

Platform Migration

- Data Validation Testing
- Report Comparison Testing
- Functional Validation Testing
- Data Transformation Testing

Product Support & Maintenance

- Global Rollouts Support
- Production Support Testing

Non-functional Services

- Performance Testing
- Security / Penetration Testing
- Environment Management



Shared Services

- Defect Management
- Report Comparison Testing
- Environment Management
- Test Data Management

Specialized Services

- Business Process Testing
- Compliance Testing



TOOLS & ACCELERATORS



MAGiX

Tech Mahindra's in-house flagship **automation framework** designed for test automation, which helps with automating manual tests with minimal efforts, generating early return on investment. This leads to automating and executing end-to-end test scenarios which cut across multiple technologies.

Benefits:

- Easy to design automation test scripts saving up to **70%** of technical resources
- Up to **80%** of efforts saving in design of libraries & **40%** of efforts saving in test automation
- Low test maintenance efforts with **20%** saving

iEASY

A **scriptless automation** testing tool developed to empower functional testers and business subject matter experts to perform test automation without learning any programming language.

Benefits:

- An open-source tool saving up to **50%** as compared to licensed tools
- Test executions saving up to **60%** due to parallel execution and grid features
- Test design saving up to **40%** through user friendly GUI and scriptless automation

Test Environment Management

Tech Mahindra's Test Environment Solution (TEMS) provides a single stop solution for managing the enterprise level test or non-production environments across software lifecycle development.

Benefits:

- Environment turnaround time reduced by overall **25%**
- Manual effort in application server installation reduced by overall **50%**
- Reduces **90%** of manual tracking, reporting and monitoring in environment area

Test Data Management Solution

This solution focuses on automated data provisioning mechanism through data sub-setting, data masking, and synthetic data generation capabilities. It allows testers to store, share, and reuse datasets to improve their efficiency in testing life cycle.

Benefits:

- Quick turnaround time in getting realistic, quality data and higher return on investment
- Automated test data provisioning in multiple environments
- Increased test coverage and reduction in data storage cost

Automated Test Assurance (ATA)

An automated software test designing service provided by Tech Mahindra. This tool greatly benefits progression and regression testing from our test design automation approach.

Benefits:

- Increases test design productivity by up to 5x, reducing test creation time by up to **50%**
- Reduces end-to-end testing effort by up to **30%**
- Reduces regression and change-request implementation time by up to **50%**

Business Intelligence and Data Warehouse Automation (BIDW)

The test automation tool for end-to-end automated data validation simplification.

Benefits:

- Unique visual test case builder with drag and drop capabilities
- Easy to setup and implement test automation at every stage
- Pre-build test cases for data quality and referential integrity

TechM NXT.NOW ADVANTAGE



Consulting Led Approach

- Helps banks to define and design the right testing strategy
- Testing processes, testing tools selection for pre and post go-live



Dedicated Testing COE

- Dedicated COE focused to enhance and mature the practices
- Global partnership with banking products and certified test consultants



Reusable Testing Assets & Accelerators

- Time reduction to design over 50% and cost reduction by 30%
- Embark on test execution as early as ISB/Base received



Delivery Track Record & Experience

- More than 100 successful testing project executions worldwide
- Testing services on different platforms: on-cloud, on-premise, hosting solutions



One Stop Shop

- Brings all testing solutions under a single umbrella
- Functional, automation and non-functional



SUCCESS STORIES

The consultants were **professional and flexible** to adapt to the evolving project reality

Bank of East Asia, April 2021



Experience has been **exceptionally good** ... timelines and quality could well be considered as a benchmark”

National Bank of Fujairah, July 2020

Work was carried out in a **qualitative and timely** manner - showed high professionalism and responsibility in carrying out the work on upgrading the system

National Bank of Kazakhstan, July 2017



Epitome of professionalism and hard work makes difference from other company

Nuran Bank, February 2018



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For more details please contact BankingProducts@TechMahindra.com

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